

FIG.1

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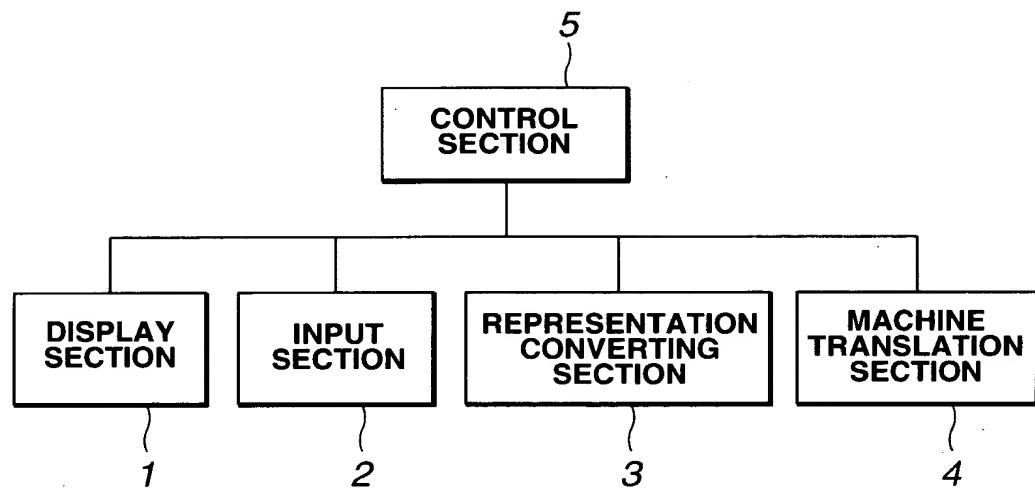


FIG.2

□ 95 2000 □ 05.5.100

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1. (JAPANESE) X[MATERIAL] O KUDASAI
(ENGLISH) X PLEASE.
2. (JAPANESE) WATASHI WA X[PLACE] NI IKITAI
(ENGLISH) I WANT TO GO TO X.
3. (JAPANESE) X[MATERIAL] O Y[PERSON] NI MISETE KUDASAI
(ENGLISH) WOULD YOU SHOW Y X ?
4. (JAPANESE) S1[SENTENCE] SHIKASHI S2[SENTENCE]
(ENGLISH) S1, BUT S2.
5. (JAPANESE) S1[SENTENCE] SOSHITE S2[SENTENCE]
(ENGLISH) S1, AND S2.
6. (JAPANESE) S1[SENTENCE] DAKARA S2[SENTENCE]
(ENGLISH) S1, SO S2.
7. (JAPANESE) SUIMASEN (=ARIGATO)
(ENGLISH) THANK YOU.
8. (JAPANESE) SUIMASEN (=AYAMARU)
(ENGLISH) I'M SORRY.
9. (JAPANESE) SUIMASEN (=YOBIAKE)
(ENGLISH) EXCUSE ME.
10. (JAPANESE) X[PERSON] GA Y[VEHICLE] O TSUKAU
(=X GA Y NI NORU)
(ENGLISH) X GO BY Y.
11. (JAPANESE) X[PERSON] GA Y O TSUKAU
(=X GA Y O SYOHI SURU)
(ENGLISH) X CONSUME Y.

FIG.3

JAPANESE	ENGLISH	ATTRIBUTE
WATASHI RINGO LONDON BAGGU	I APPLE LONDON BAG	PERSON MATERIAL PLACE MATERIAL

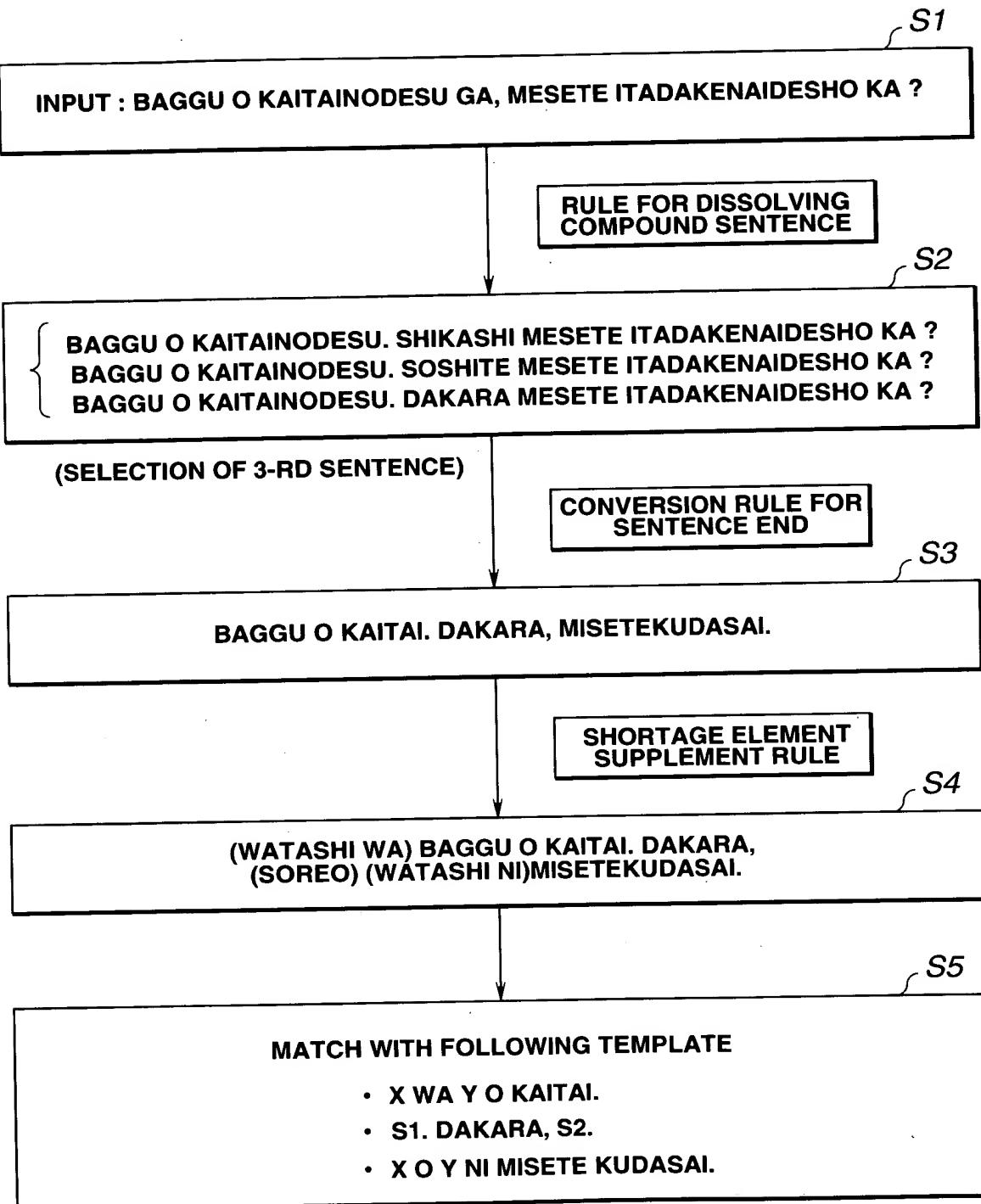
FIG.4

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BEFORE CONVERSION	AFTER CONVERSION
(CONVERSION RULE FOR SENTENCE END) ~SHITE MORAE MASENKA ~TE ITADAKENAIDESHOKA	~SHITE KUDASAI ~SHITE KUDASAI
~TAI NO DESU ~TAI NO DESUGA	~SHITAI ~SHITAI
(RULE FOR DISSOLVING COMPOUND SENTENCE) ~GA [CONJUNCTION POSTPOSITIONAL WORD] ~ ~GA [CONJUNCTION POSTPOSITIONAL WORD] ~ ~GA [CONJUNCTION POSTPOSITIONAL WORD] ~ ~ TE ~ ~ TE ~ ~ TE ~	~。 SHIKASI. ~ ~。 SOSHITE. ~ ~。 DAKARA. ~ ~。 DAKARA. ~ ~。 SOSHITE. ~ ~。 SHIKASI. ~
(RULE FOR POLYSEMOUS EXPRESSION) SUIMASEN SUIMASEN SUIMASEN X O TSUKAU X O TSUKAU	SUIMASEN (=ARIGATOU) SUIMASEN (=AYAMARU) SUIMASEN (=YOBIAKE) X O TSUKAU (=X NI NORU) X O TSUKAU (=X O SHOHISURU)
(SHORTAGE ELEMENT SUPPLEMENT RULE) MISETE KUDASAI MISETE KUDASAI MISETE KUDASAI X O MISETE KUDASAI	(KOREO) MISETE KUDASAI (SOREO) MISETE KUDASAI (AREO) MISETE KUDASAI X O (WATASHI NI) MISETE KUDASAI
(ORDER EXCHANGE RULE) Y O X GA Y NI X GA X GA Z O Y NI Y NI X GA Z O Y NI Z O X GA Z O X GA Y NI Z O Y NI X GA	X GA Y O X GA Y NI X GA Y NI Z O X GA Y NI Z O

FIG.5

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**FIG.6**

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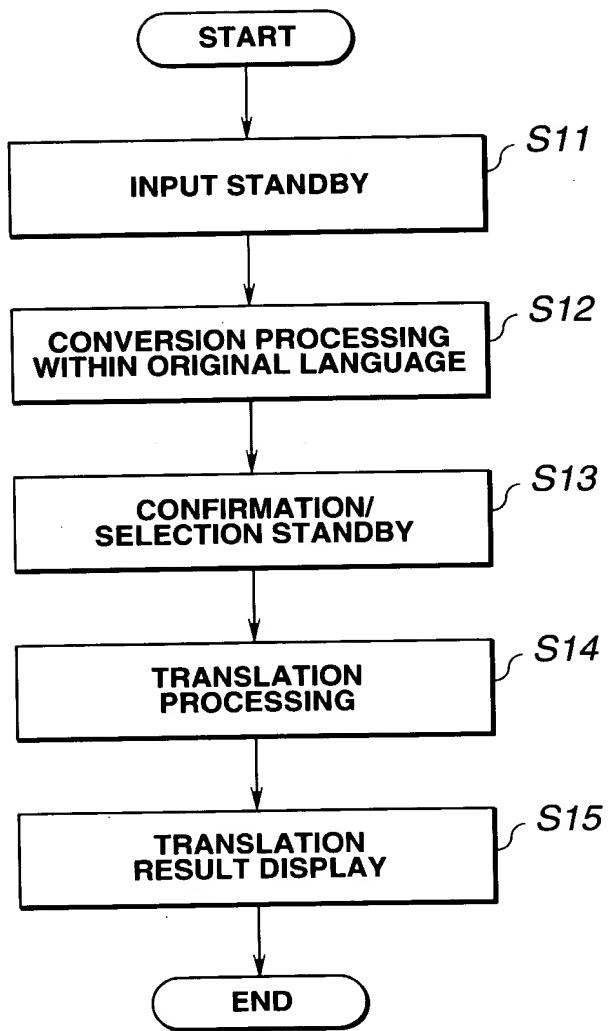


FIG.7

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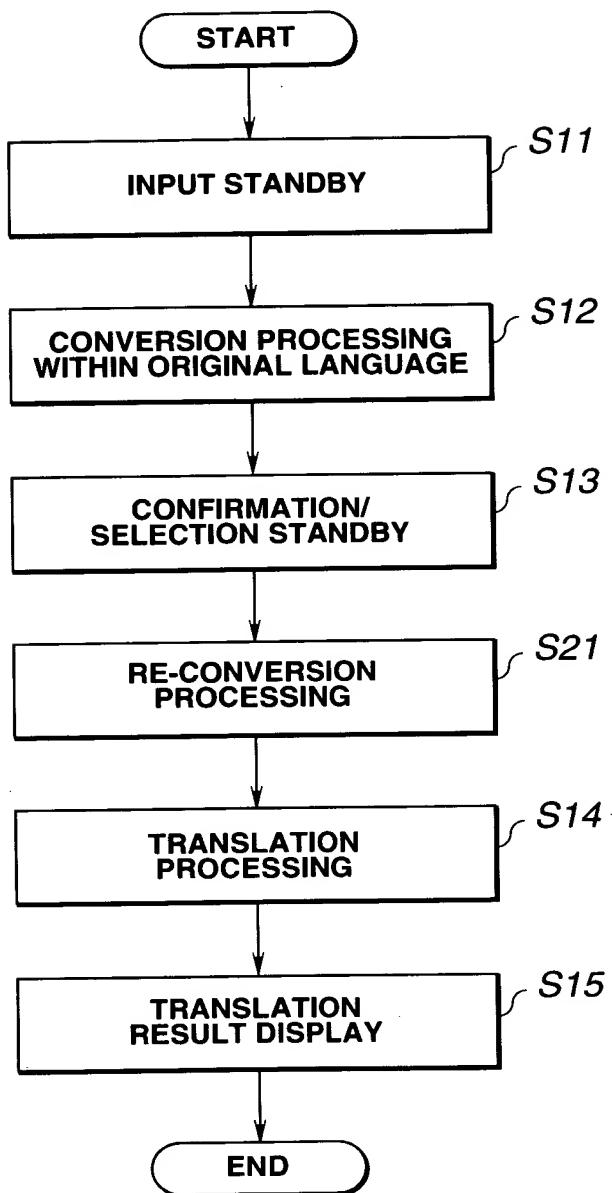


FIG.8

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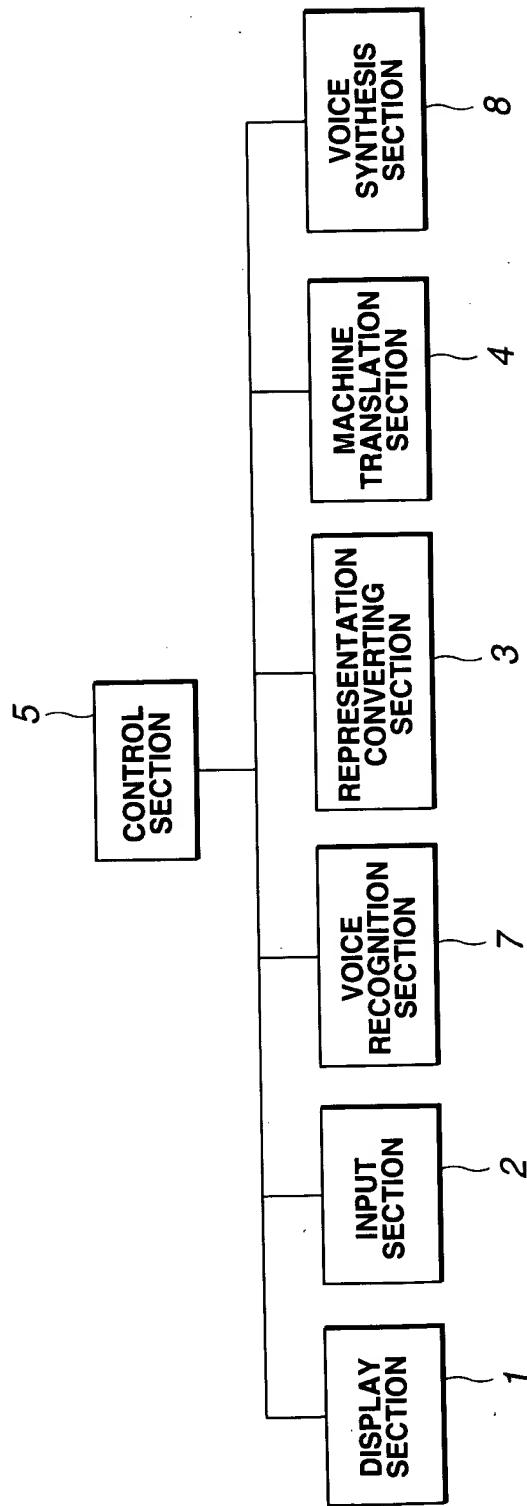


FIG.9

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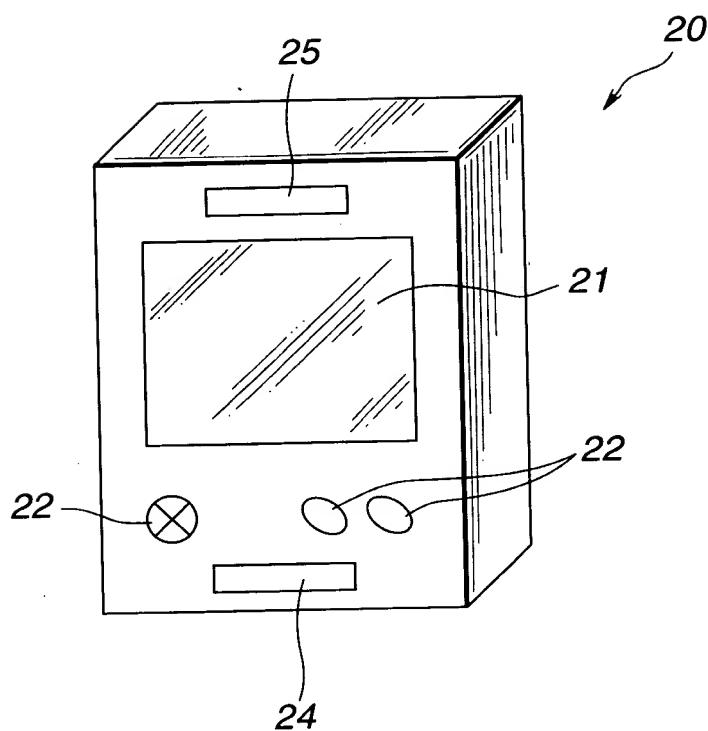


FIG.10

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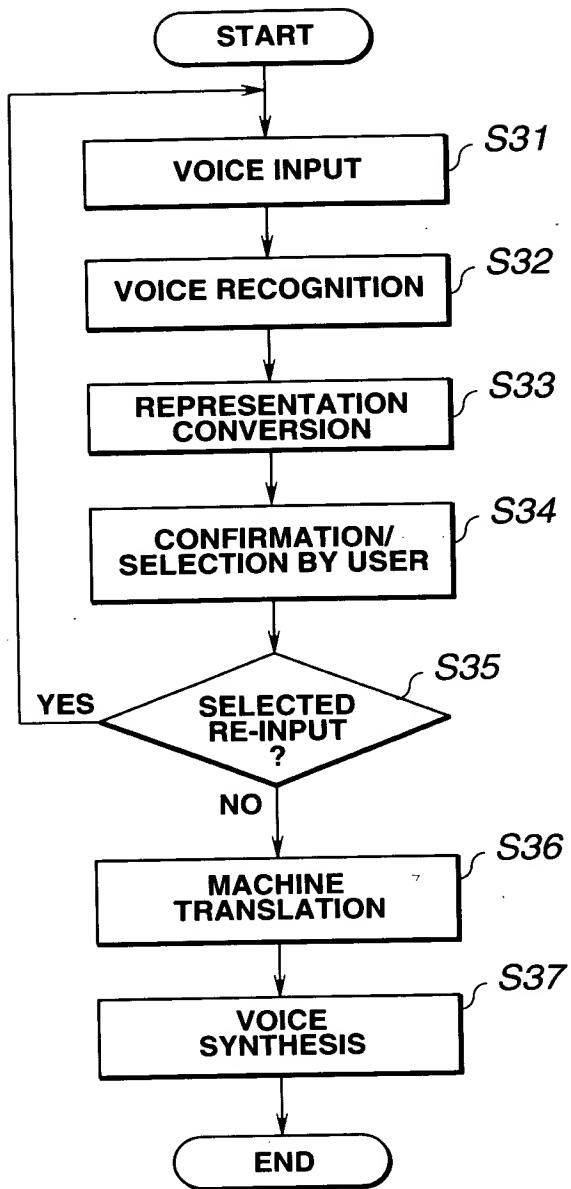


FIG.11

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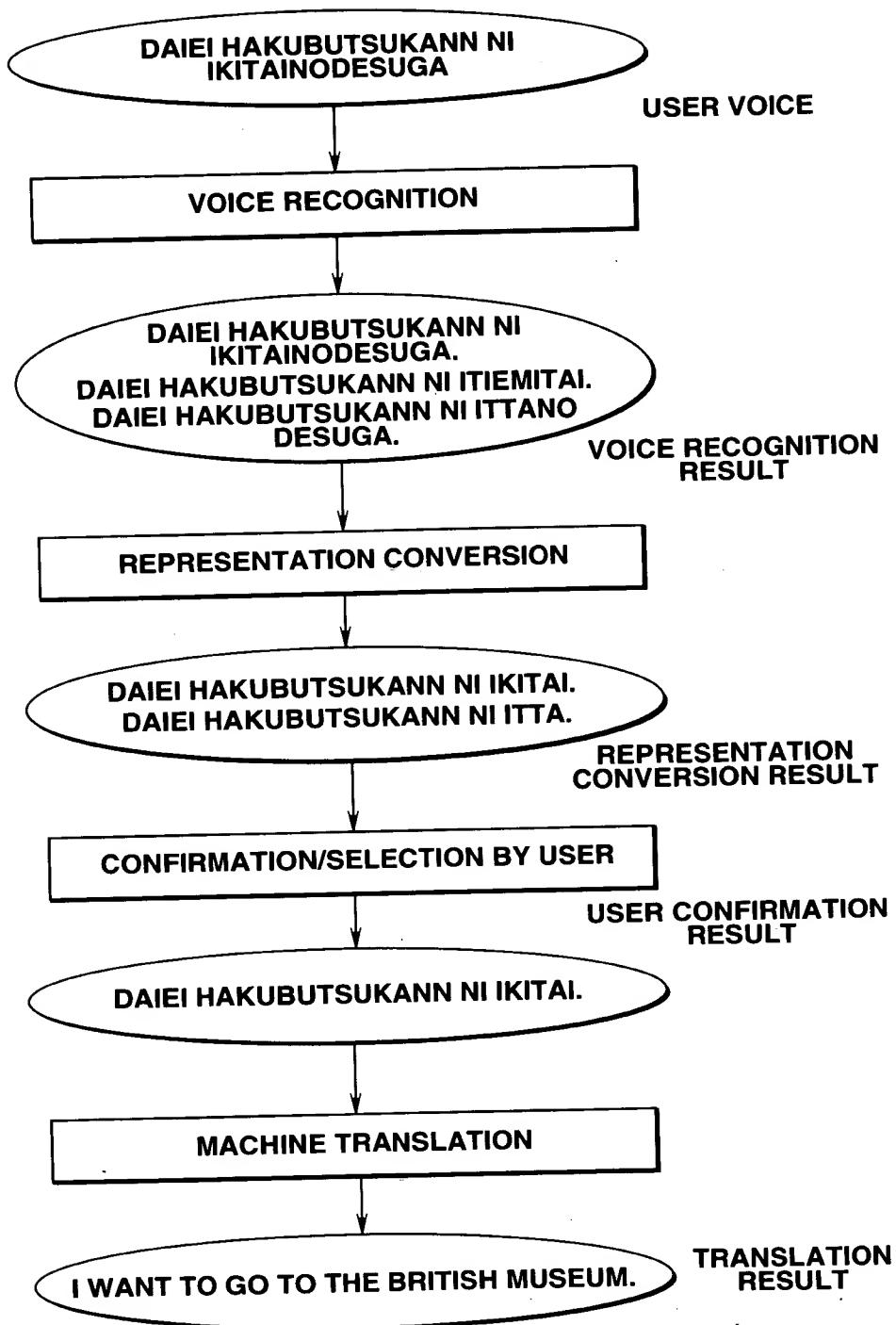


FIG.12

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ORIGINAL LANGUAGE	OBJECTIVE LANGUAGE	CHANGE OF EXPRESSION WITHIN ORIGINAL LANGUAGE
[CHANGE OF EXPRESSION FOR POLYSEMOUS WORD]		
1. SUIMASEN 2. SUIMASEN 3. SUIMASEN	I'M SORRY. THANK YOU. EXCUSE ME.	SUIMASEN (=AYAMARU) SUIMASEN (=ARIGATO) SUIMASEN (=YOBIKAKE)
4. X GA Y O TSUKAU 5. X GA Y O TSUKAU 6. X GA Y O TSUKAU	X USE Y. X GO BY Y. X CONSUME Y.	(NO CHANGE OF EXPRESSION) X GA Y DE IKU. XGA Y O SHOHI SURU.
[SHORTAGE ELEMENT SUPPLEMENT]		
7. X O TSUKAU 8. X O TSUKAU 9. X O TSUKAU	I USE Y. I GO BY Y. I CONSUME Y.	WATASHI WA X O TSUKAU. WATASHI WA X DE IKU. WATASHI WA X O SHOHI SURU
10. X O MISETE KUDASAI	PLEASE SHOW ME X.	X O WATASHI NI MISETE KUDASAI
[COMPOUND SENTENCE DEVELOPMENT]		
11. S1 GA, S2 12. S1 GA, S2 13. S1 GA, S2	S1, BUT S2. S1, AND S2. S1, S2.	S1, SHIKASI S2. S1, SOSHITE S2. S1, S2.

FIG.13

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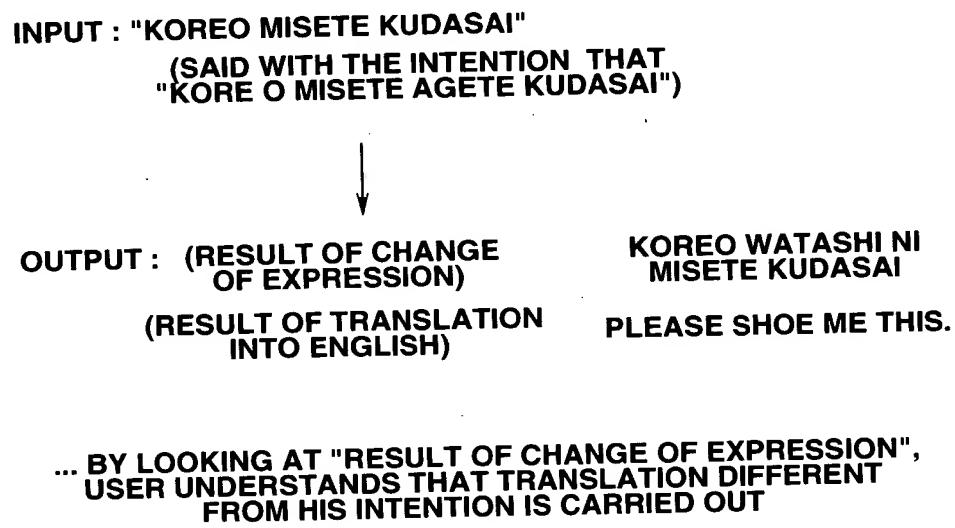


FIG.14

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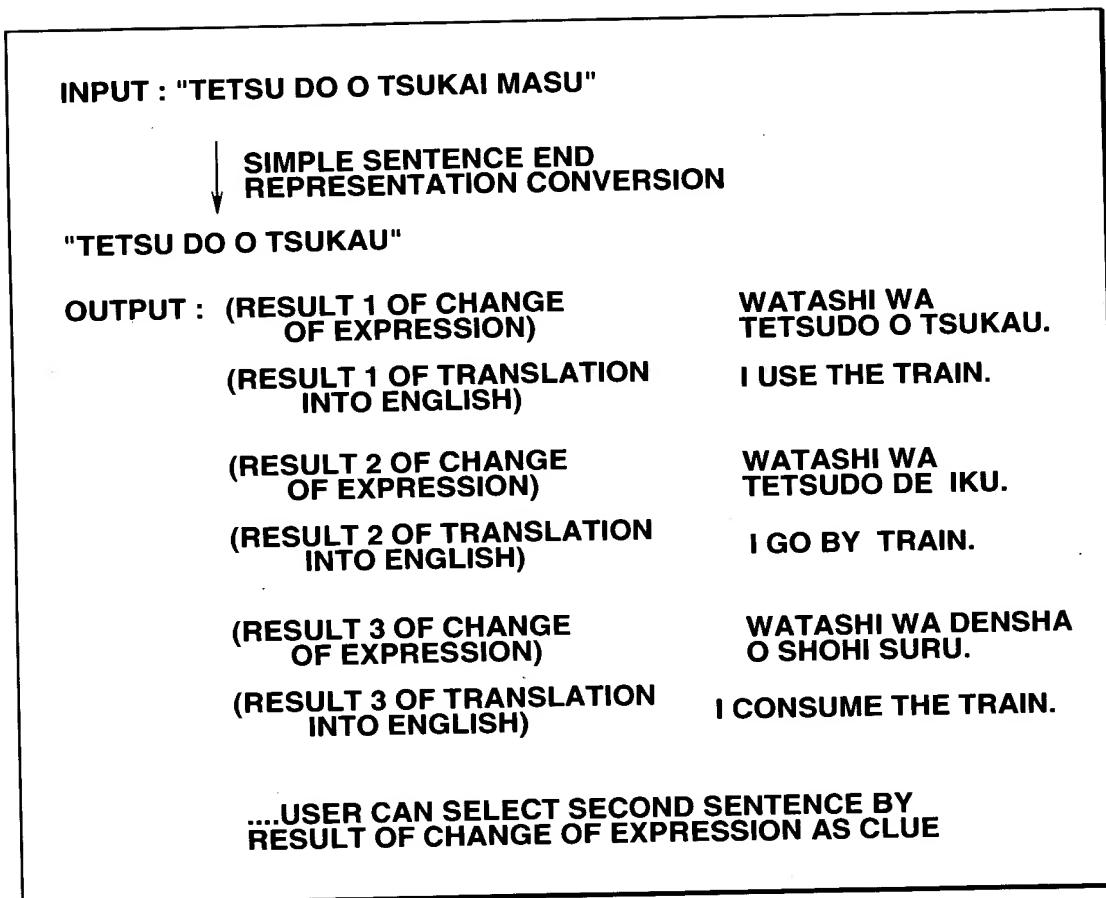


FIG.15

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ORIGINAL LANGUAGE	OBJECTIVE LANGUAGE	CHANGE OF EXPRESSION WITHIN ORIGINAL LANGUAGE	COMMENT
[CHANGE OF EXPRESSION FOR POLYSEMOUS WORD]			REPRESENTATION AT THE TIME OF APOLOGY REPRESENTATION OF THANKS REPRESENTATION OF CALLING
1. SUIMASEN 2. SUIMASEN 3. SUIMASEN	I'M SORRY. THANK YOU. EXCUSE ME.	X USE Y. X GO BY Y. X CONSUME Y.	
4. X GAYOTSUKAU 5. X GAYOTSUKAU 6. X GAYOTSUKAU		X GAY DE IKU. XGA Y O SHOHI SURU.	
[SHORTAGE ELEMENT SUPPLEMENT]			
7. X OTSUKAU 8. X OTSUKAU 9. X OTSUKAU		I USE Y. I GO BY Y. I CONSUME Y.	WATASHI WA X OTSUKAU. WATASHI WA X DE IKU. WATASHI WA X O SHOHI SURU
10. X OMISETE KUDASAI		PLEASE SHOW ME X.	X O WATASHI NI MISETE KUDASAI
[COMPOUND SENTENCE DEVELOPMENT]			
11. S1 GA, S2 12. S1 GA, S2 13. S1 GA, S2		S1, BUT S2. S1, AND S2. S1, S2.	EXPRESSION OF NEGATIVE CONJUNCTION EXPRESSION OF AFFIRMATIVE CONJUNCTION EXPRESSION OF PARALLEL

FIG. 16

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INPUT : "SUIMASEN"

1)	(CHANGE OF EXPRESSION) (COMMENT) (TRANSLATION INTO ENGLISH)	SUIMASEN REPRESENTATION AT THE TIME OF APOLOGY I'M SORRY.
2)	(CHANGE OF EXPRESSION) (COMMENT) (TRANSLATION INTO ENGLISH)	SUIMASEN REPRESENTATION OF THANKS THANK YOU.
3)	(CHANGE OF EXPRESSION) (COMMENT) (TRANSLATION INTO ENGLISH)	SUIMASEN REPRESENTATION OF CALLING EXCUSE ME.

FIG.17

INPUT : " ~GA, ~ "

1)	(CHANGE OF EXPRESSION) (COMMENT) (TRANSLATION INTO ENGLISH)	~。 SHIKASHI ~。 EXPRESSION OF NEGATIVE CONJUNCTION ~, BUT ~.
2)	(CHANGE OF EXPRESSION) (COMMENT) (TRANSLATION INTO ENGLISH)	~。 SOSHITE ~. EXPRESSION OF AFFIRMATIVE CONJUNCTION ~, AND ~.
3)	(CHANGE OF EXPRESSION) (COMMENT) (TRANSLATION INTO ENGLISH)	~。 ~. EXPRESSION OF PARALLEL ~, ~.

FIG.18

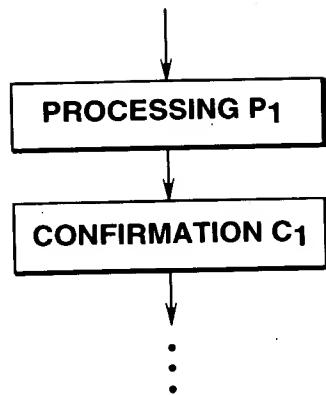


FIG.19A

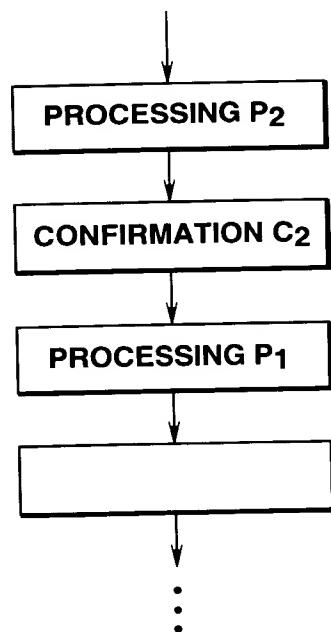
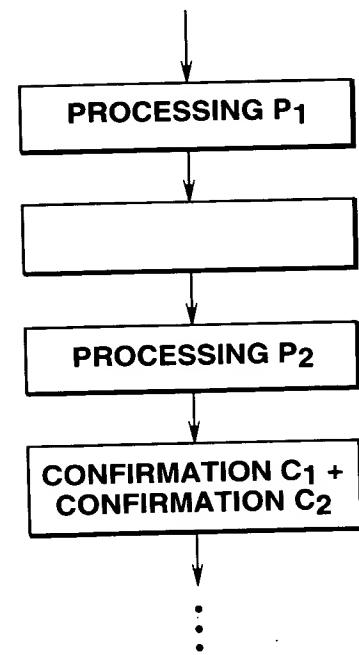
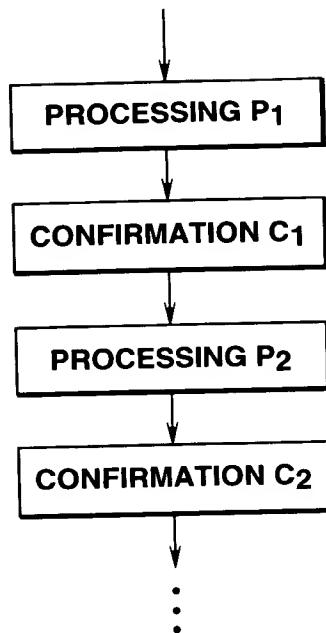


FIG.19B

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CONFIRMATION
CONFIRMATION C1 + C2

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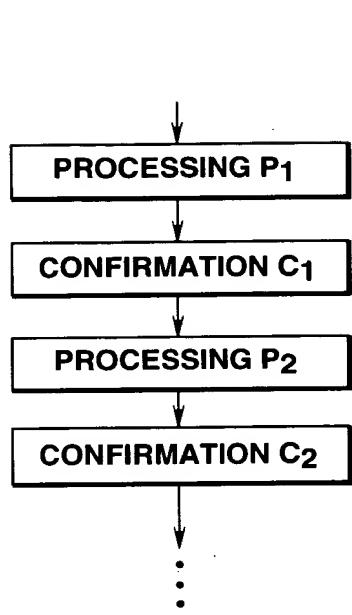


FIG.21A

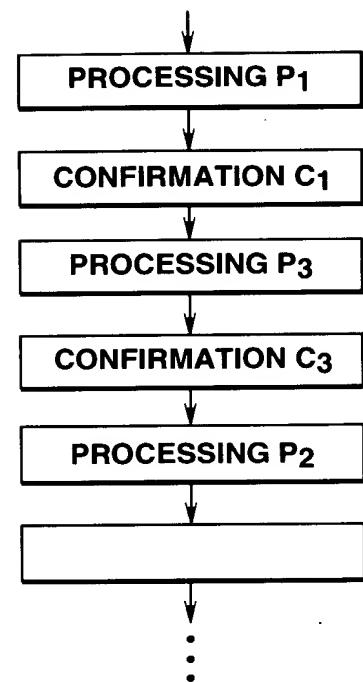


FIG.21B

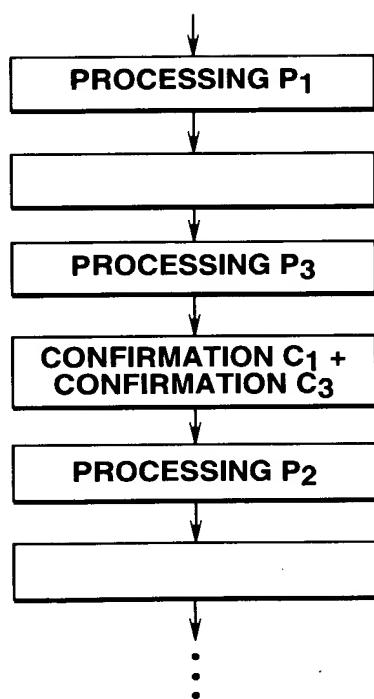


FIG.21C

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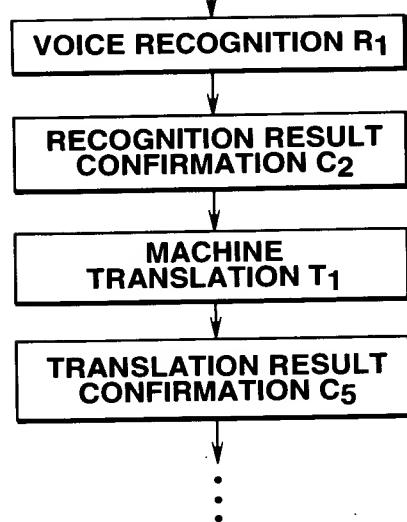


FIG.22A

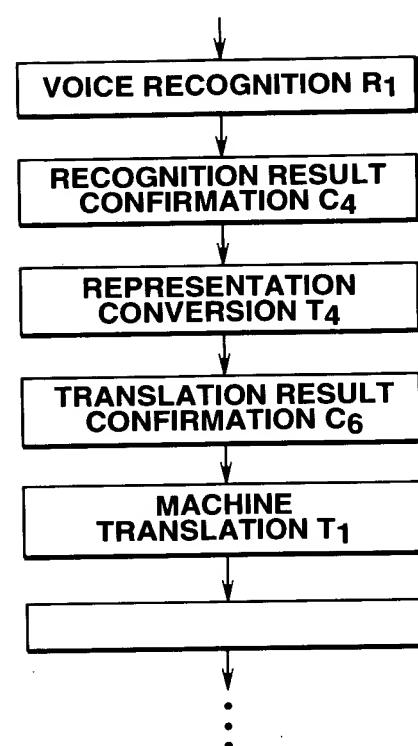


FIG.22B

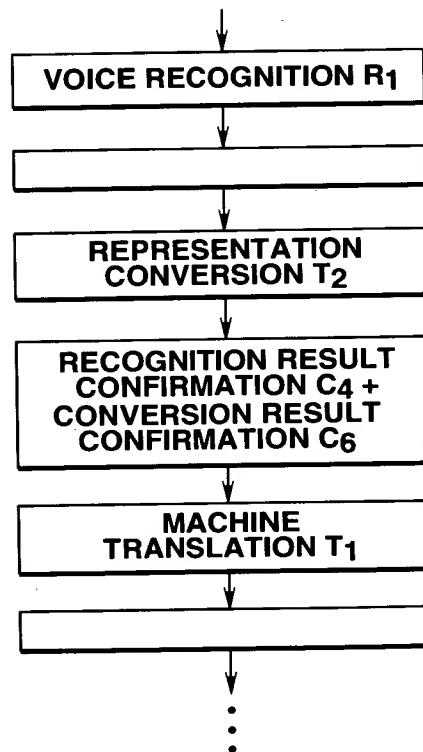


FIG.22C

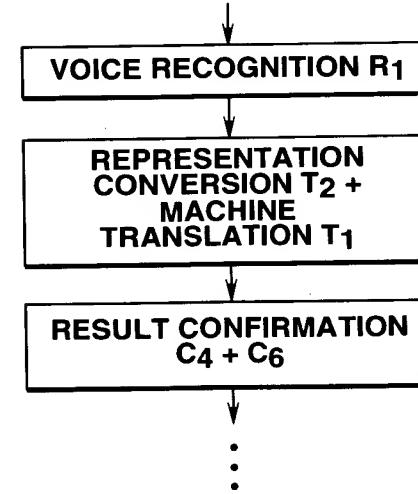


FIG.22D